

# Safety Data Sheet



Revision Number: 009.0

Issue date: 05/04/2021

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	LOCTITE STYCAST ES 2500 PTB known as ES2500 PART B DUMMY A54A1	<b>IDH number:</b>	1390037
<b>Product type/use:</b>	Epoxy Hardener	<b>Item number:</b>	ES2500A54A1_EB2500
<b>Restriction of Use:</b>	None identified	<b>Region:</b>	United States
<b>Company address:</b>	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	<b>Contact information:</b>	Telephone: +1 (860) 571-5100 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com

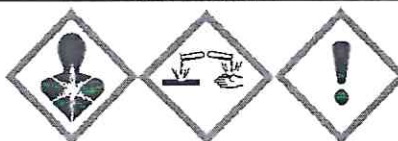
## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**DANGER:** HARMFUL IF SWALLOWED OR IN CONTACT WITH SKIN.  
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
SUSPECTED OF CAUSING CANCER.  
MAY DAMAGE FERTILITY OR THE UNBORN CHILD.

HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY ORAL	4
ACUTE TOXICITY DERMAL	4
SKIN CORROSION	1B
SERIOUS EYE DAMAGE	1
CARCINOGENICITY	2
REPRODUCTIVE TOXICITY	1B

### PICTOGRAM(S)



### Precautionary Statements

<b>Prevention:</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash affected area thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, clothing, eye and face protection.
<b>Response:</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Wash contaminated clothing before reuse.
<b>Storage:</b>	Store locked up.
<b>Disposal:</b>	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

1 % of the mixture consists of ingredient(s) of unknown acute toxicity.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

IDH number: 1390037

Product name: LOCTITE STYCAST ES 2500 PTB known as ES2500 PART B DUMMY A54A1  
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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Di(2-ethylhexyl)phthalate	117-81-7	30 - 60
N,N'-bis(3-aminopropyl)ethylenediamine	10563-26-5	10 - 30
4-nonylphenol, branched	84852-15-3	10 - 30
salicylic acid	69-72-7	1 - 5
N-(2-aminoethyl)-1,3-propanediamine	13531-52-7	1 - 5
Phenol, 2-nonyl-, branched	91672-41-2	1 - 5
Dinonylphenol	1323-65-5	0.1 - 1
Phenol	108-95-2	0.1 - 1

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). Remove contaminated clothing and footwear. For severe exposures, get under safety shower after removing clothing, then get medical attention. Get medical attention. Wash clothing before reuse.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Check for and remove any contact lenses. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get immediate medical attention.
<b>Symptoms:</b>	See Section 11.

### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. In case of fire, keep containers cool with water spray.
<b>Hazardous combustion products:</b>	Oxides of carbon, oxides of nitrogen, irritating organic vapors. Ammonia. Toxic fumes.

### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Ensure adequate ventilation. Isolate area. Keep unnecessary personnel away. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

## 7. HANDLING AND STORAGE

**Handling:** Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Do not taste or swallow. Refer to Section 8.

**Storage:** Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Di(2-ethylhexyl)phthalate	5 mg/m3 TWA	5 mg/m3 PEL	None	None
N,N'-bis(3-aminopropyl)ethylenediamine	None	None	None	None
4-nonylphenol, branched	None	None	None	None
salicylic acid	None	None	None	None
N-(2-aminoethyl)-1,3-propanediamine	None	None	None	None
Phenol, 2-nonyl-, branched	None	None	None	None
Dinonylphenol	None	None	None	None
Phenol	5 ppm TWA (SKIN)	5 ppm (19 mg/m3) PEL (SKIN)	None	None

**Engineering controls:** Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:** Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection:** Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Cover as much of the exposed skin area as possible with appropriate clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Pale yellow
<b>Odor:</b>	Amine
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Alkaline
<b>Vapor pressure:</b>	1.0 mm hg (68 °C (154.4 °F)) Approximately
<b>Boiling point/range:</b>	Not available.
<b>Melting point/ range:</b>	Not available.
<b>Specific gravity:</b>	1.0 (approximate)
<b>Vapor density:</b>	Not available.
<b>Flash point:</b>	118.33 °C (244.99 °F) Flash Point, Pensky-Martens
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Autoignition temperature:</b>	Not determined
<b>Flammability:</b>	Not applicable
<b>Evaporation rate:</b>	Not available.
<b>Solubility in water:</b>	Soluble
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>VOC content:</b>	< 1 %; < 10 g/l (estimated value for resin and hardener mixed together)
<b>Viscosity:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.



## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of storage and use.
<b>Hazardous reactions:</b>	None under normal processing.
<b>Hazardous decomposition products:</b>	Oxides of carbon. Oxides of nitrogen. Ammonia. Irritating organic vapours.
<b>Incompatible materials:</b>	Strong acids and oxidizing agents. Reducing agents. This product slowly corrodes copper, aluminum, zinc and galvanized surfaces.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Store away from incompatible materials. Keep away from open flames, hot surfaces and sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

**Relevant routes of exposure:** Skin, Inhalation, Eyes, Ingestion

### Potential Health Effects/Symptoms

<b>Inhalation:</b>	May be harmful if inhaled. Mists, vapors or liquid may cause severe irritation or burns. May cause central nervous system effects with nausea, dizziness and headache. Drowsiness.
<b>Skin contact:</b>	Harmful in contact with skin. Corrosive to skin. Causes skin burns. May cause allergic skin reaction.
<b>Eye contact:</b>	Causes serious eye damage. Burns of the eye may cause blindness.
<b>Ingestion:</b>	Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tracts. Danger of perforation of the esophagus and the stomach. Ingestion of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision. Ingestion may affect the digestive tract, respiratory and cardiovascular systems, and the liver and kidneys.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Di(2-ethylhexyl)phthalate	Oral LD50 (Rabbit) = 33.9 g/kg Oral LD50 (Mouse) = > 30 g/kg Oral LD50 (Rat) = > 25 g/kg Dermal LD50 (Rabbit) = 25 g/kg	Central nervous system, Developmental, Kidney, Liver, Reproductive, Some evidence of carcinogenicity
N,N'-bis(3-aminopropyl)ethylenediamine	None	No Target Organs
4-nonylphenol, branched	None	Irritant, Corrosive
salicylic acid	Oral LD50 (Rat) = 891 mg/kg Oral LD50 (Mouse) = 480 mg/kg Dermal LD50 (Rat) = > 2 g/kg	Irritant
N-(2-aminoethyl)-1,3-propanediamine	None	No Data
Phenol, 2-nonyl-, branched	None	No Data
Dinonylphenol	None	No Data
Phenol	Oral LD50 (Mouse) = 270 mg/kg Oral LD50 (Rat) = 317 mg/kg Oral LD50 (Rat) = 530 mg/kg Dermal LD50 (Rat) = 669 mg/kg Dermal LD50 (Rabbit) = 850 mg/kg	Blood, Cardiac, Corrosive, Developmental, Eyes, Irritant, Kidney, Liver, Mutagen, Nervous System, Skin, Vascular

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Di(2-ethylhexyl)phthalate	Reasonably Anticipated to be a Human Carcinogen.	Group 2B	No
N,N'-bis(3-aminopropyl)ethylenediamine	No	No	No
4-nonylphenol, branched	No	No	No
salicylic acid	No	No	No
N-(2-aminoethyl)-1,3-propanediamine	No	No	No
Phenol, 2-nonyl-, branched	No	No	No
Dinonylphenol	No	No	No
Phenol	No	No	No

## 12. ECOLOGICAL INFORMATION

Ecological information: Not available.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal.

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

### U.S. Department of Transportation Ground (49 CFR)

Proper shipping name:	Corrosive liquids, n.o.s. (Aliphatic amines, Nonylphenol)
Hazard class or division:	8
Identification number:	UN 1760
Packing group:	II
Marine pollutant:	Nonylphenol
DOT Hazardous Substance(s):	Diethylhexyl phthalate

### International Air Transportation (ICAO/IATA)

Proper shipping name:	Corrosive liquid, n.o.s. (Aliphatic amines, Nonylphenol)
Hazard class or division:	8
Identification number:	UN 1760
Packing group:	II

### Water Transportation (IMO/IMDG)

Proper shipping name:	CORROSIVE LIQUID, N.O.S. (Aliphatic amines, Nonylphenol)
Hazard class or division:	8
Identification number:	UN 1760
Packing group:	II
Marine pollutant:	Nonylphenol

## 15. REGULATORY INFORMATION

### United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.
TSCA 12 (b) Export Notification:	Alkyl phenol (CAS# 84852-15-3). 2-nonylphenol, branched (CAS# 91672-41-2).
CERCLA/SARA Section 302 EHS:	None above reporting de minimis.
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health
CERCLA/SARA Section 313:	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Di(2-ethylhexyl)phthalate (CAS# 117-81-7). 4-nonylphenol, branched (CAS# 84852-15-3). Phenol, 2-nonyl-, branched (CAS# 91672-41-2).
CERCLA Reportable quantity:	Di(2-ethylhexyl)phthalate (CAS# 117-81-7) 100 lbs. (45.4 kg)
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

### Canada Regulatory Information

CEPA DSL/NDL Status:	Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.
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## 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 1,3,8,11,13,15,16

**Prepared by:** Product Safety and Regulatory Affairs

**Issue date:** 05/04/2021

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# Safety Data Sheet



Revision Number: 008.2

Issue date: 12/20/2022

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	LOCTITE STYCAST ES 2500 PTA known as ES2500 PART A DUMMY A54A1	<b>IDH number:</b>	1390038
<b>Product type/use:</b>	Part A of 2-K-Epoxy AdhesiveEpoxy resin	<b>Item number:</b>	ES2500A54A1_EA2500
<b>Restriction of Use:</b>	None identified	<b>Region:</b>	United States
<b>Company address:</b>	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	<b>Contact information:</b>	Telephone: +1 (860) 571-5100 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**WARNING:** COMBUSTIBLE LIQUID.  
CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE IRRITATION.  
SUSPECTED OF CAUSING GENETIC DEFECTS.  
SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	4
SKIN IRRITATION	2
EYE IRRITATION	2A
SKIN SENSITIZATION	1
GERM CELL MUTAGENICITY	2
REPRODUCTIVE TOXICITY	2

### PICTOGRAM(S)



### Precautionary Statements

<b>Prevention:</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames, hot surfaces - no smoking. Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, clothing, eye and face protection.
<b>Response:</b>	IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.
<b>Storage:</b>	Store in a well-ventilated place. Keep cool. Store locked up.
<b>Disposal:</b>	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

IDH number: 1390038

Product name: LOCTITE STYCAST ES 2500 PTA known as ES2500 PART A DUMMY A54A1  
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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
Limestone	1317-65-3	30 - 60
Epichlorohydrin-4,4'-isopropylidene diphenol resin	25068-38-6	30 - 60
butyl glycidyl ether	2426-08-6	5 - 10
Calcium carbonate	471-34-1	1 - 5
Carbon black	1333-86-4	0.1 - 1
Quartz (SiO <sub>2</sub> ), <1% respirable	14808-60-7	0.1 - 1

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Skin contact:	Remove contaminated clothing and footwear. Immediately flush skin with plenty of water (using soap, if available). If symptoms develop and persist, get medical attention. Wash clothing before reuse.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Ingestion:	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
Symptoms:	See Section 11.

### 5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. In case of fire, keep containers cool with water spray.
Hazardous combustion products:	Oxides of carbon. Calcium oxide. Phenolics. Hydrogen chloride. Irritating organic vapours.

### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not allow product to enter sewer or waterways.
Clean-up methods:	Remove all sources of ignition. Ensure adequate ventilation. Isolate area. Keep unnecessary personnel away. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed container until ready for disposal. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

### 7. HANDLING AND STORAGE

Handling:	Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Refer to Section 8.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Limestone	10 mg/m3 TWA Inhalable particles. 3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Total dust.	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. 5 mg/m3 TWA Respirable fraction. 50 MPPCF TWA Total dust. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None
Epichlorohydrin-4,4'-isopropylidene diphenol resin	None	None	None	None
butyl glycidyl ether	3 ppm TWA (SKIN) (Dermal sensitization)	50 ppm (270 mg/m3) PEL	None	None
Calcium carbonate	10 mg/m3 TWA Total dust. 3 mg/m3 TWA Respirable particles. 10 mg/m3 TWA Inhalable particles.	5 mg/m3 PEL Respirable fraction. 15 mg/m3 PEL Total dust. 5 mg/m3 PEL Respirable fraction. 15 mg/m3 TWA Total dust. 50 MPPCF TWA Total dust. 15 MPPCF TWA Respirable fraction. 5 mg/m3 TWA Respirable fraction.	None	None
Carbon black	3 mg/m3 TWA Inhalable fraction.	3.5 mg/m3 PEL 5 mg/m3 TWA Respirable fraction. 50 MPPCF TWA Total dust. 15 MPPCF TWA Respirable fraction. 15 mg/m3 TWA Total dust.	None	None
Quartz (SiO <sub>2</sub> ), <1% respirable	0.025 mg/m3 TWA Respirable fraction.	0.05 mg/m3 TWA (Respirable dust.) (Respirable dust.) 0.025 mg/m3 OSHA ACT (Respirable dust.) 0.05 mg/m3 PEL Respirable dust. 2.4 MPPCF TWA Respirable. 0.1 mg/m3 TWA Respirable.	None	None

**Engineering controls:**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

**Respiratory protection:**

Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

**Eye/face protection:**

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection:**

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Black
Odor:	Aromatic
Odor threshold:	Not available.
pH:	Not applicable, Product is non-soluble (in water).
Vapor pressure:	< 0.01 mm hg (20 °C (68°F))
Boiling point/range:	Not applicable, Decomposes before boiling point is reached
Melting point/ range:	Not applicable, Product is a liquid
Specific gravity:	1.6
Vapor density:	> 1 20 °C
Flash point:	85 °C (185°F) Closed cup
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Autoignition temperature:	Not available.
Flammability:	The product is not flammable.
Evaporation rate:	Not available.
Solubility in water:	Not miscible or difficult to mix
Partition coefficient (n-octanol/water):	Not available.
VOC content:	< 1 %; < 10 g/l (estimated value for resin and hardener mixed together)
Viscosity:	Not available.
Decomposition temperature:	Not available.

## 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of storage and use.
Hazardous reactions:	None under normal processing.
Hazardous decomposition products:	Oxides of carbon. Hydrocarbons. Irritating organic vapours.
Incompatible materials:	Strong oxidizing agents. Strong acids and strong bases. Amines.
Reactivity:	Not available.
Conditions to avoid:	High temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure:	Skin, Inhalation, Eyes, Ingestion
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**Potential Health Effects/Symptoms**

**Inhalation:** May cause respiratory tract irritation.  
**Skin contact:** Causes skin irritation. May cause allergic skin reaction.  
**Eye contact:** Causes serious eye irritation.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Limestone	None	Nuisance dust
Epichlorohydrin-4,4'-isopropylidene diphenol resin	None	Allergen, Irritant
butyl glycidyl ether	Oral LD50 (Rat) = 2,000 mg/kg Oral LD50 (Rat) = 2.05 g/kg Oral LD50 (Mouse) = 1.53 g/kg Dermal LD50 (Rabbit) = 0.788 g/kg	Irritant, Allergen, Central nervous system, Liver, Mutagen
Calcium carbonate	Oral LD50 (Rat) = 6,450 mg/kg Oral LD50 (Mouse) = 6,450 mg/kg Inhalation LC50 (Rat, 4 h) = > 3 mg/l	Nuisance dust
Carbon black	Oral LD50 (Rat) = > 8,000 mg/kg	Respiratory, Some evidence of carcinogenicity
Quartz (SiO <sub>2</sub> ), <1% respirable	None	Immune system, Lung, Some evidence of carcinogenicity

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Limestone	No	No	No
Epichlorohydrin-4,4'-isopropylidene diphenol resin	No	No	No
butyl glycidyl ether	No	Group 2B	No
Calcium carbonate	No	No	No
Carbon black	No	Group 2B	No
Quartz (SiO <sub>2</sub> ), <1% respirable	Known To Be Human Carcinogen.	Group 1	Yes

**12. ECOLOGICAL INFORMATION**

**Ecological information:** Not available.

**13. DISPOSAL CONSIDERATIONS**

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

**14. TRANSPORT INFORMATION**

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

**U.S. Department of Transportation Ground (49 CFR)**

**Proper shipping name:** Combustible liquid, n.o.s. (n-Butyl glycidyl ether)  
**Hazard class or division:** Combustible Liquid  
**Identification number:** NA 1993  
**Packing group:** III

**International Air Transportation (ICAO/IATA)**

**Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A Epichlorohydrin resin)  
**Hazard class or division:** 9  
**Identification number:** UN 3082  
**Packing group:** III



<b>Water Transportation (IMO/IMDG)</b>	
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A Epichlorohydrin resin)
Hazard class or division:	9
Identification number:	UN 3082
Packing group:	III
Marine pollutant:	Bisphenol-A Epichlorohydrin resin

## 15. REGULATORY INFORMATION

### United States Regulatory Information

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.
<b>TSCA 12 (b) Export Notification:</b>	None above reporting de minimis
<b>CERCLA/SARA Section 302 EHS:</b>	Diglycidyl ether (DGE) (CAS# 2238-07-5). Epichlorohydrin (CAS# 106-89-8).
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health, Delayed Health, Fire
<b>CERCLA/SARA Section 313:</b>	None above reporting de minimis.
<b>California Proposition 65:</b>	This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. This product contains a chemical known in the State of California to cause cancer.

### Canada Regulatory Information

<b>CEPA DSL/NDSL Status:</b>	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
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## 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

**Prepared by:** Product Safety and Regulatory Affairs

**Issue date:** 12/20/2022

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